

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Ute Tribal 14-8-3-3W				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6388			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') 4C FARMS - CHARLES HANSEN						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-646-3340				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') HC 64 BOX 278, Duchesne, UT 84021						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		681 FSL 1695 FWL		SESW	8	3.0 S	3.0 W	U		
Top of Uppermost Producing Zone		681 FSL 1695 FWL		SESW	8	3.0 S	3.0 W	U		
At Total Depth		681 FSL 1695 FWL		SESW	8	3.0 S	3.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 375			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 2500			26. PROPOSED DEPTH MD: 10900 TVD: 10900				
27. ELEVATION - GROUND LEVEL 5429			28. BOND NUMBER RLB00100473			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.3	Premium Lite High Strength	51	3.53	11.0
							Class G	154	1.17	15.8
I1	8.75		0 - 8665	26.0	P-110 LT&C	9.5	35/65 Poz	283	3.53	11.0
							50/50 Poz	252	1.29	14.0
PROD	6.125	4.5	8465 - 10900	11.6	P-110 LT&C	11.5	50/50 Poz	114	2.31	14.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton			TITLE Permitting Agent			PHONE 435 719-2018				
SIGNATURE			DATE 10/01/2012			EMAIL starpoint@etv.net				
API NUMBER ASSIGNED 43047532710000			APPROVAL							

Received: October 02, 2012

**Newfield Production Company**  
**14-8-3-3W**  
**SE/SW Section 8, T3S, R3W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	3,870'
Garden Gulch member	6,785'
Wasatch	9,280'
TD	10,900'

**2. Depth to Oil, Gas, Water, or Minerals**

Base of moderately saline	947'	(water)
Green River	6,785' - 9,280'	(oil)
Wasatch	9,280' - TD	(oil)

**3. Pressure Control**

<u>Section</u>	<u>BOP Description</u>
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.  A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coupl	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor 14	0'	60'	37	H-40	Weld	--	--	--	--	--	--
Surface 9 5/8	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
Intermediate 7	0'	8,665'	26	P-110	LTC	9	9.5	15	6.27	6.35	10.94
Production 4 1/2	8,465'	10,900'	11.6	P-110	LTC	11	11.5	--	9,960	6,210	693,000
									2.44	1.82	3.08
									10,690	7,560	279,000
									2.08	1.39	2.21

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)  
Intermediate casing MASP = (reservoir pressure) - (gas gradient)  
Production casing MASP = (reservoir pressure) - (gas gradient)  
All collapse calculations assume fully evacuated casing with a gas gradient  
All tension calculations assume air weight of casing  
Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41	15%	15.8	1.17
				35			
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180	15%	11.0	3.53
				51			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Intermediate Lead	8 3/4	5,785'	65% Class G / 35% Poz + 10% Bentonite	1000	15%	11.0	3.53
				282			
Intermediate Tail	8 3/4	1,880'	50/50 Poz / Class G + 1% Bentonite	325	15%	14.0	1.29
				252			
Production Tail	6 1/8	2,435'	50/50 Poz / Class G with 1% bentonite	264	15%	14.0	2.31
				114			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 1,000'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
1,000' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 11.5 ppg.

**7. Logging, Coring, and Testing**

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

$$10,900' \times 0.57 \text{ psi/ft} = 6235 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

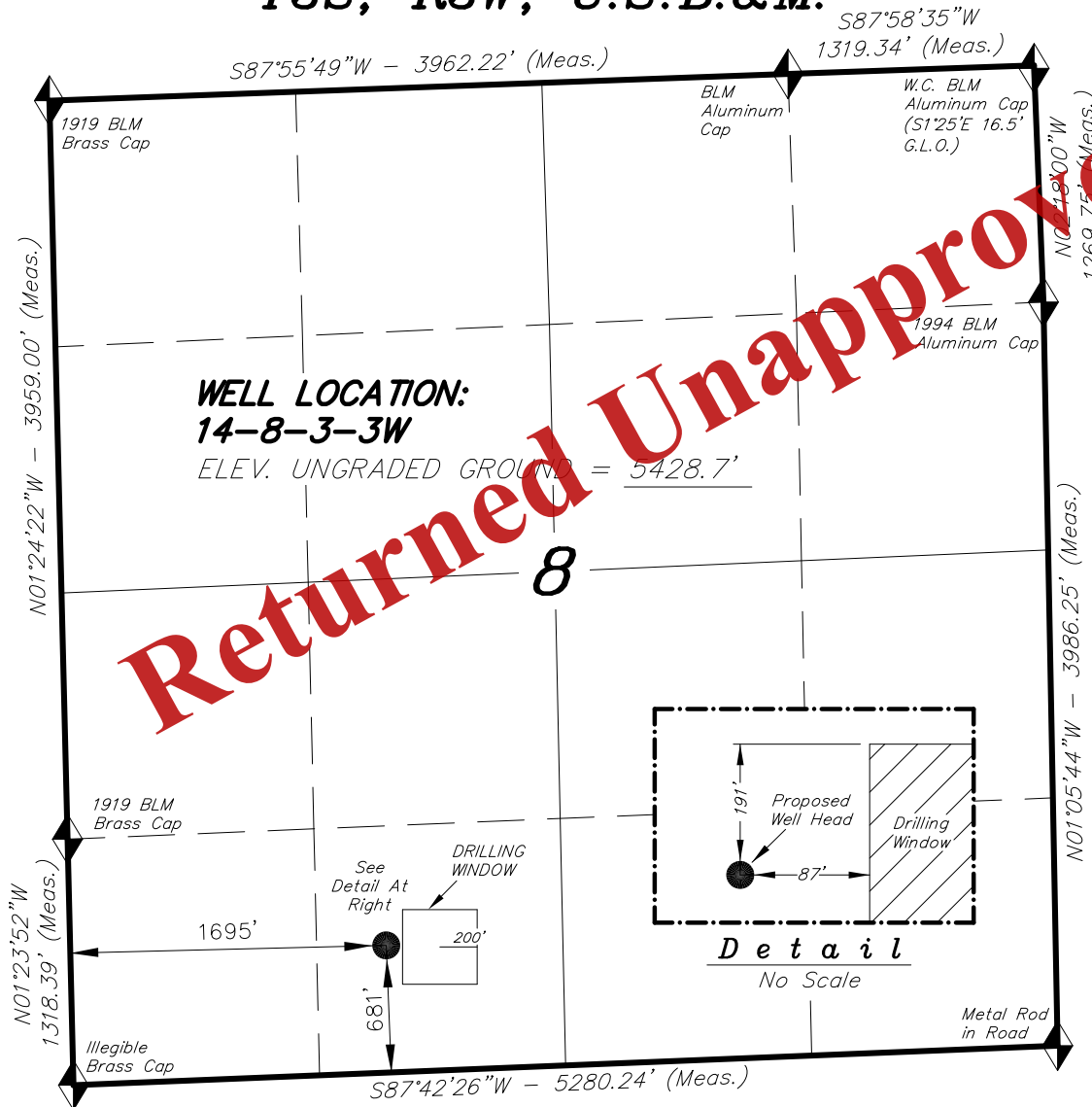
**9. Other Aspects**

This is planned as a vertical well.

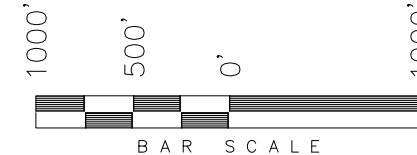
**Returned Unapproved**

**T3S, R3W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, 14-8-3-3W, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 8, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

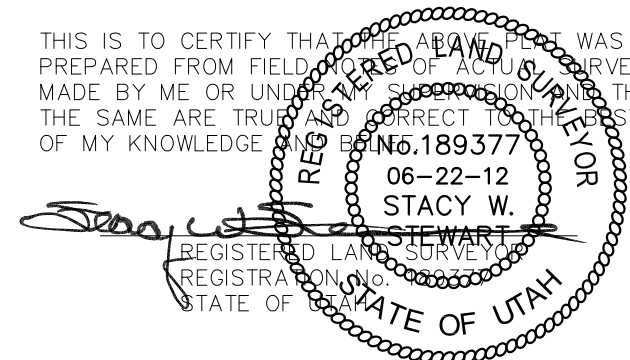


**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°13'50.74"
LONGITUDE = 110°15'00.71"
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°13'50.89"
LONGITUDE = 110°14'58.15"

**TRI STATE LAND SURVEYING & CONSULTING**

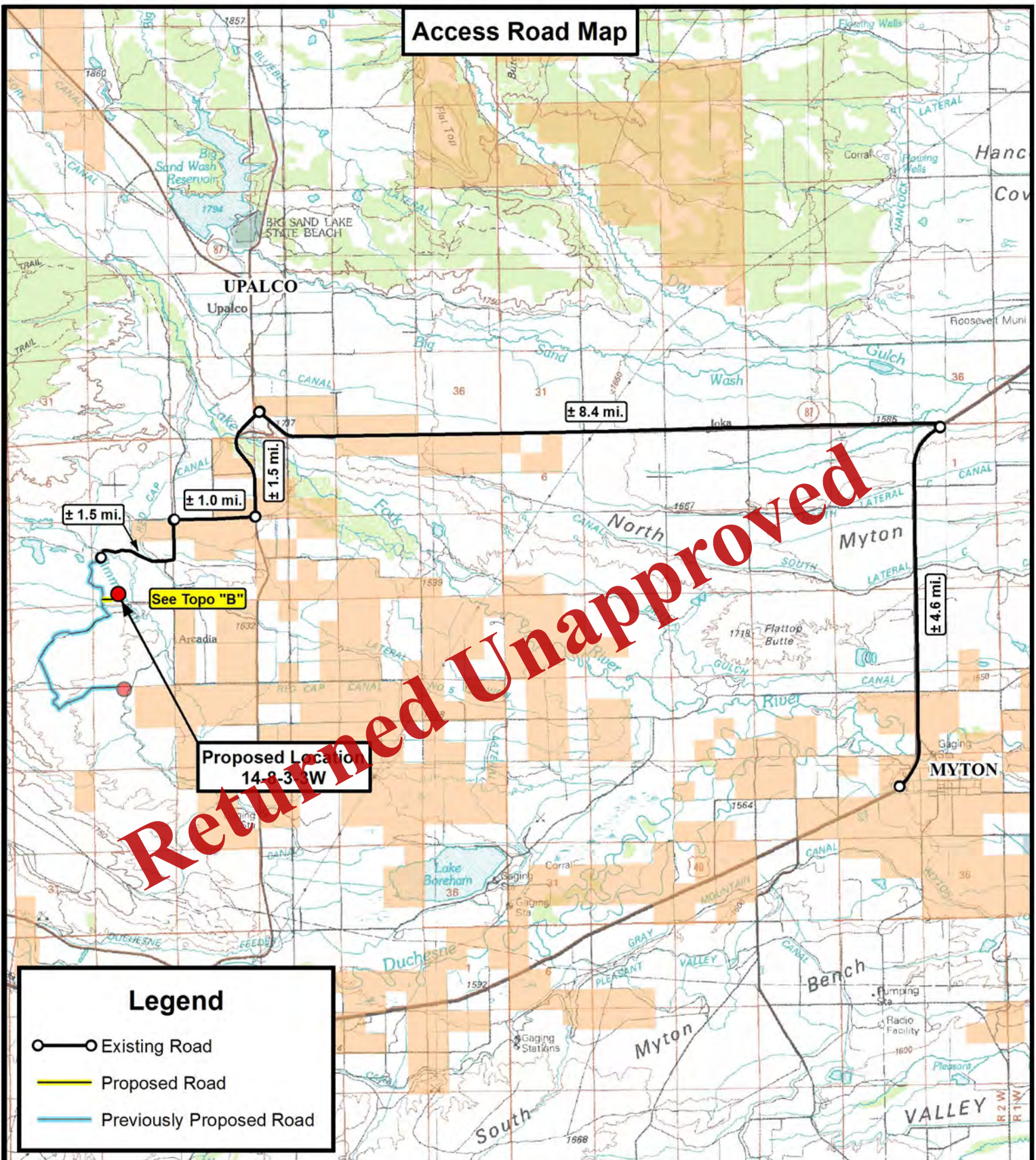
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 05-24-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 06-21-12	DRAWN BY: R.B.T.	V1
REVISED:	SCALE: 1" = 1000'	

**Received: October 01, 2012**



# Access Road Map



**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

14-8-33W  
SEC. 8, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-21-2012		V1
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Received: October 01, 2012**



# Access Road Map

Myton ± 15.5 mi.

± 1.5 mi.

± 3,865'

4-C FARMS LLC

ALPINE PARTNERS

± 1,082'

Proposed Location  
14-8-3-3W

4-C FARMS LLC

3-20-3-3WH

## Legend

- Existing Road
- Proposed Road
- Previously Proposed Road

## Total Road Distances

Proposed Road ± 1,082'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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## NEWFIELD EXPLORATION COMPANY

14-8-3-3W  
SEC. 8, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
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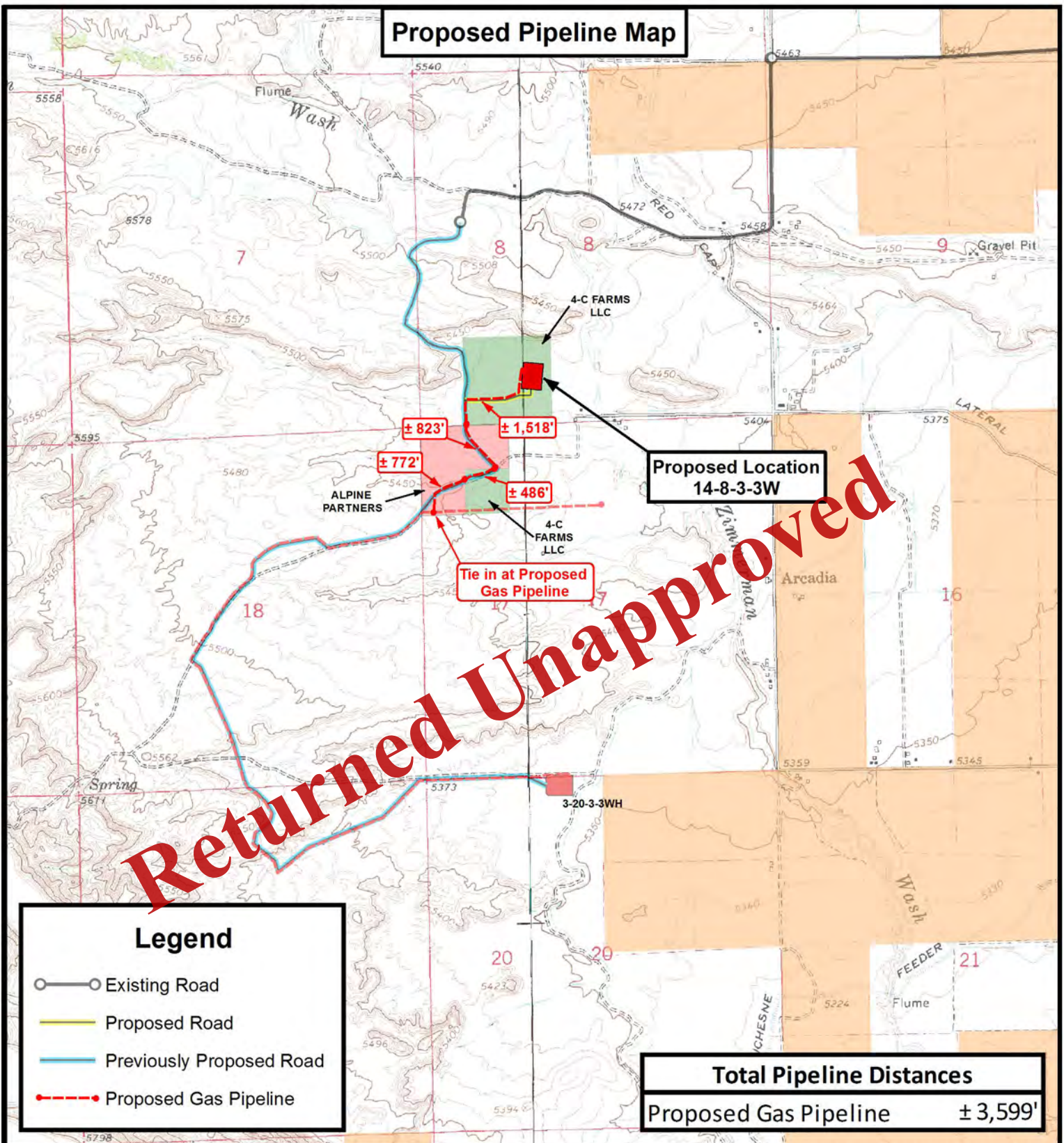
TOPOGRAPHIC MAP

SHEET  
**B**

Received: October 01, 2012



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Road
- Previously Proposed Road
- Proposed Gas Pipeline

## Total Pipeline Distances

Proposed Gas Pipeline ± 3,599'

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## NEWFIELD EXPLORATION COMPANY

14-8-3-3W  
SEC. 8, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-21-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

**C**

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# Exhibit "B" Map

Proposed Location  
14-8-3-3W

Returned Unapproved

## Legend

-  1 Mile Radius
-  Proposed Location

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## NEWFIELD EXPLORATION COMPANY

14-8-3-3W  
SEC. 8, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-21-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET  
**D**

Received: October 01, 2012

**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND  
SURFACE USE AGREEMENT**

Greg Boggs personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Greg Boggs. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed UT 14-8-3-3W well with a surface location to be positioned in the W2SESW of Section 8, Township 3 South, Range 3 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is 4C Farms, a Utah Limited Liability Company, whose address is HC 64 Box 278, Duchesne, UT 84021 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 14, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

  
\_\_\_\_\_  
Greg Boggs

ACKNOWLEDGEMENT

STATE OF COLORADO

§

§

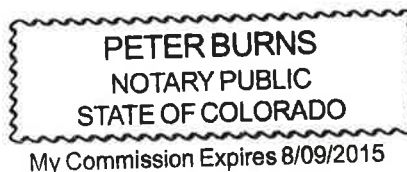
COUNTY OF DENVER

§

Before me, a Notary Public, in and for the State, on this 20th day of July, 2012, personally appeared Greg Boggs, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC

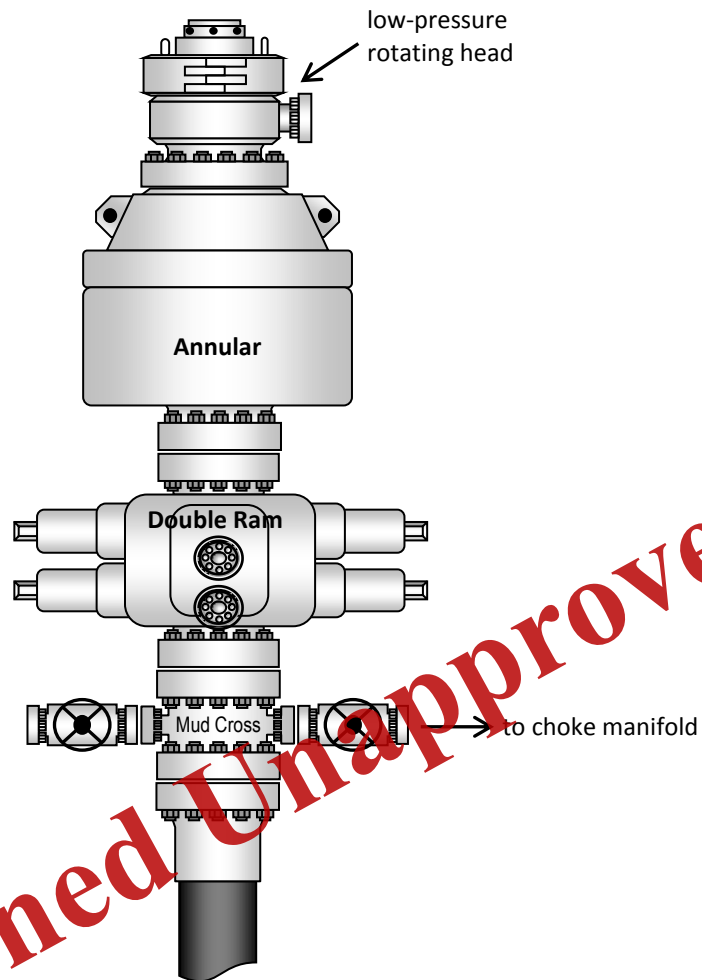
My Commission Expires:



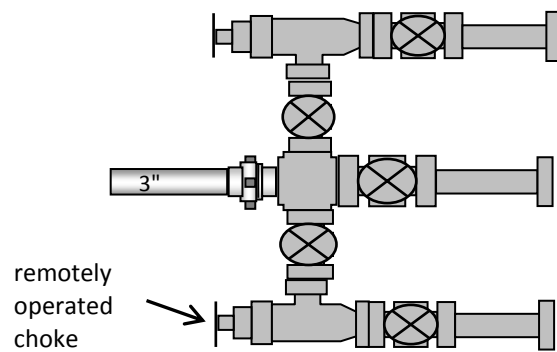
**Received: October 01, 2012**



Typical 5M BOP stack configuration



Typical 5M choke manifold configuration

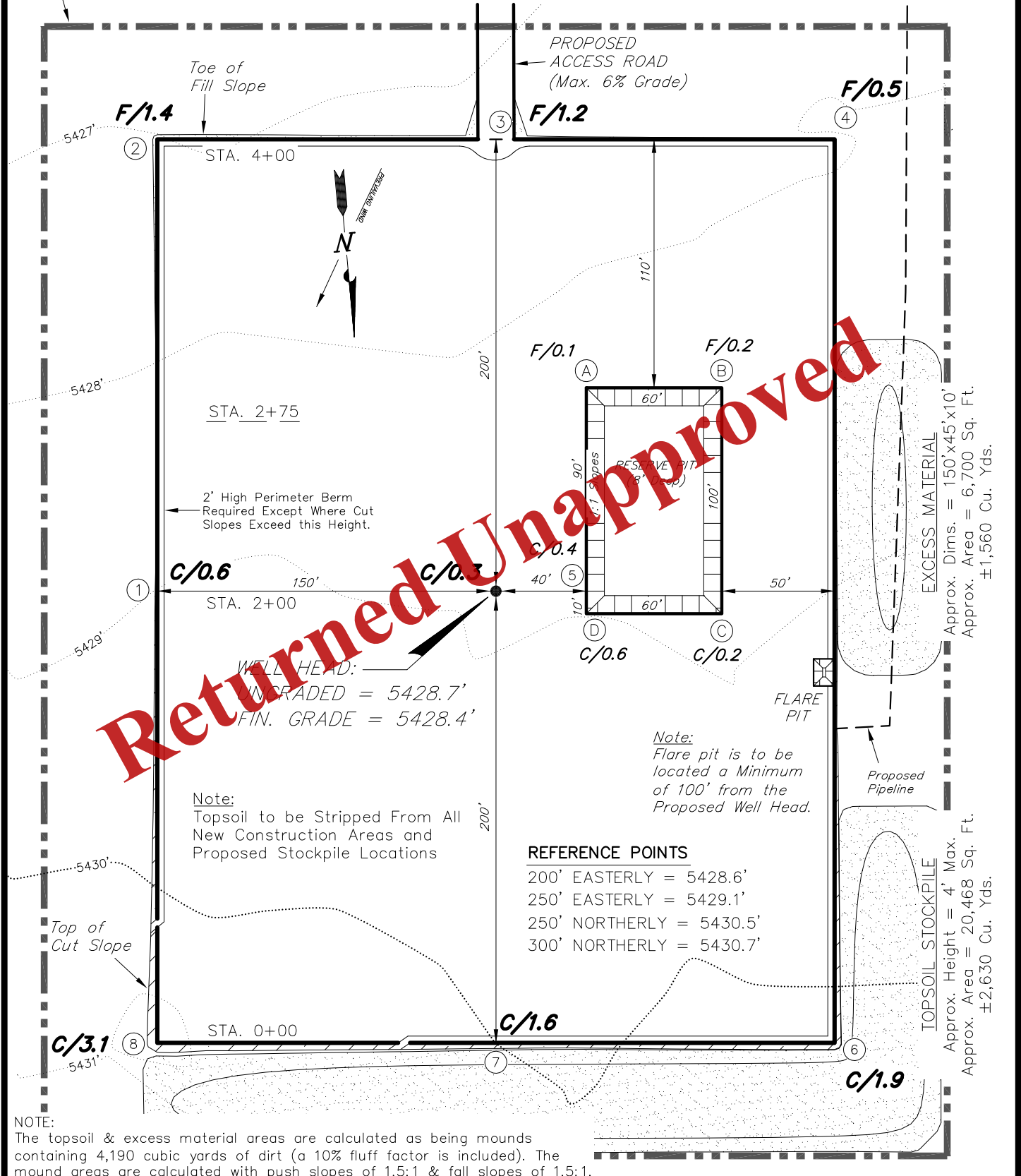


# NEWFIELD EXPLORATION COMPANY

## PROPOSED LOCATION LAYOUT

14-8-3-3W

Pad Location: SESW Section 8, T3S, R3W, U.S.B.&M.



SURVEYED BY: C.S.	DATE SURVEYED: 05-24-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 06-21-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State**  
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 (435) 781-2501

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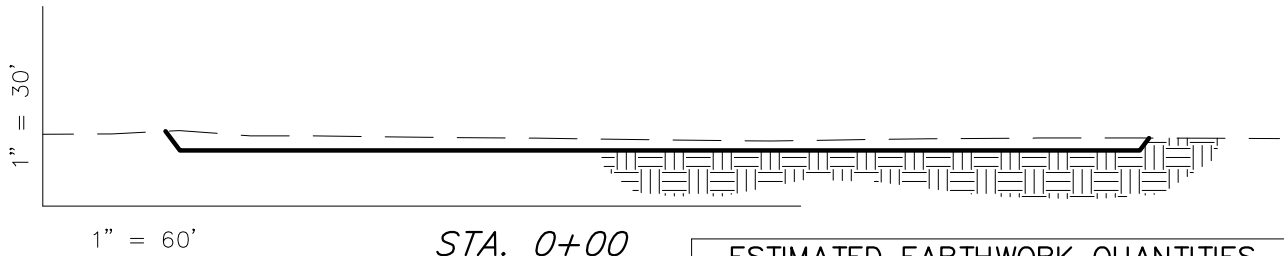
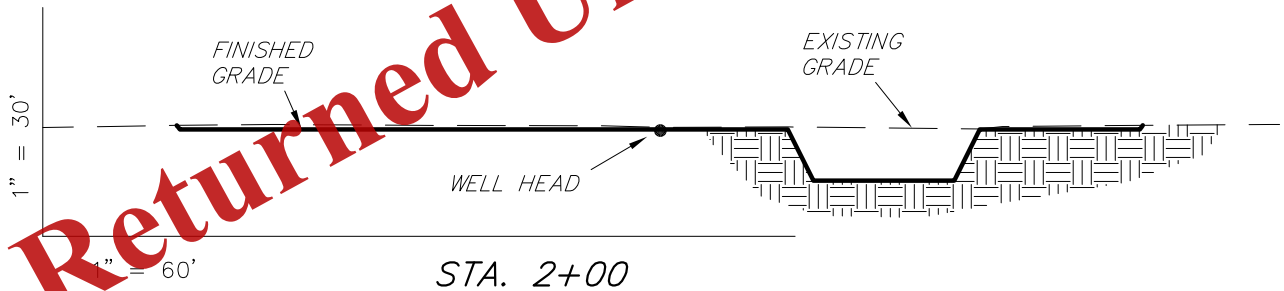
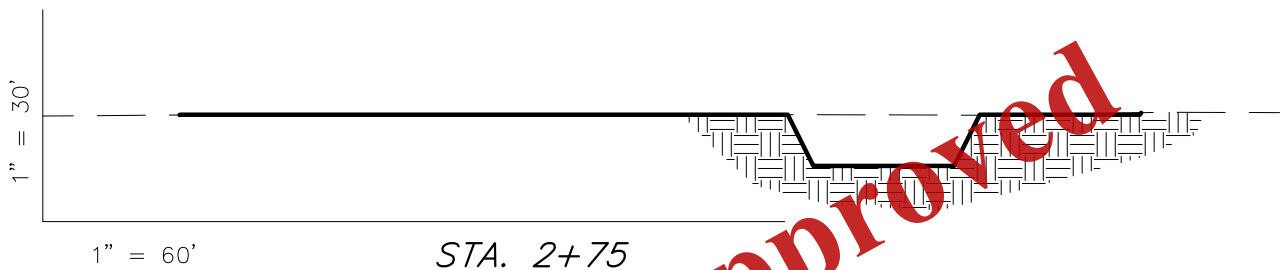
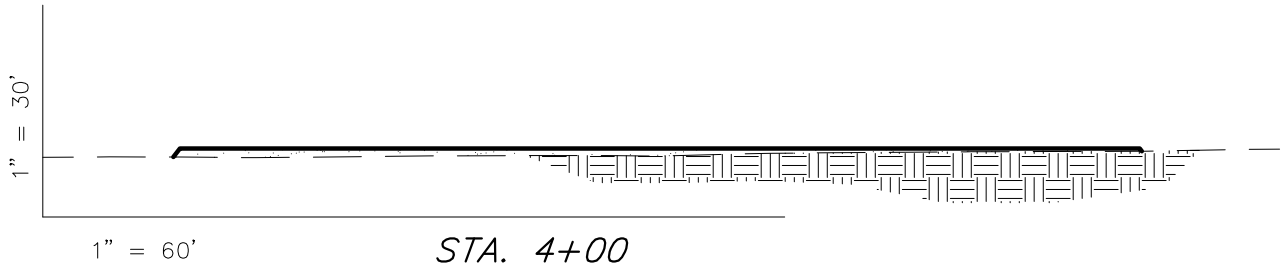


# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

14-8-3-3W

Pad Location: SESW Section 8, T3S, R3W, U.S.B.&M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,520	1,520	Topsoil is not included in Pad Cut Volume	0
PIT	1,420	0		1,420
TOTALS	2,940	1,520	2,390	1,420

SURVEYED BY: C.S. DATE SURVEYED: 05-24-12 VERSION:  
DRAWN BY: R.B.T. DATE DRAWN: 06-21-12  
SCALE: 1" = 60' REVISED: V1

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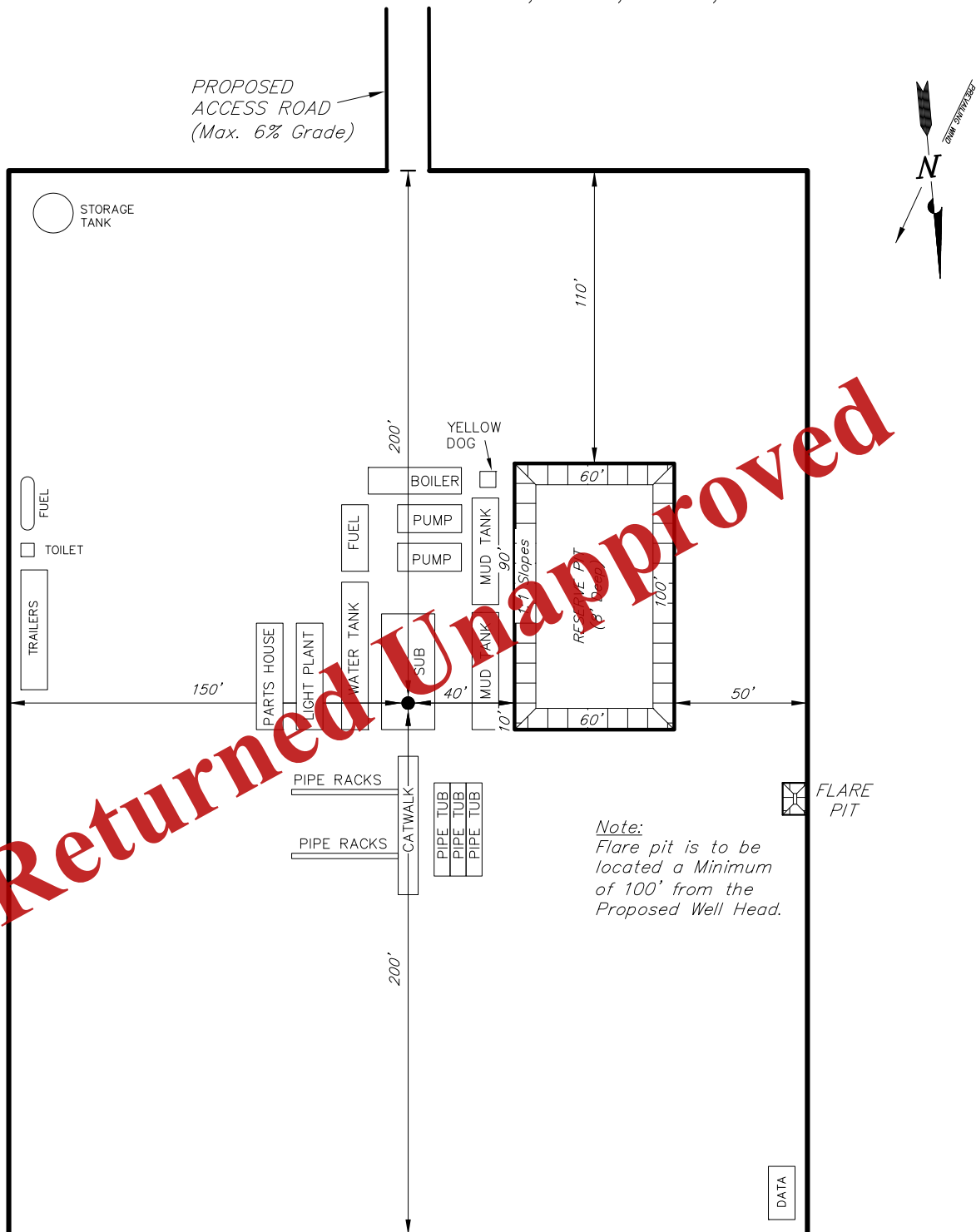
Received: October 01, 2012

# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

14-8-3-3W

Pad Location: SESW Section 8, T3S, R3W, U.S.B.&M.

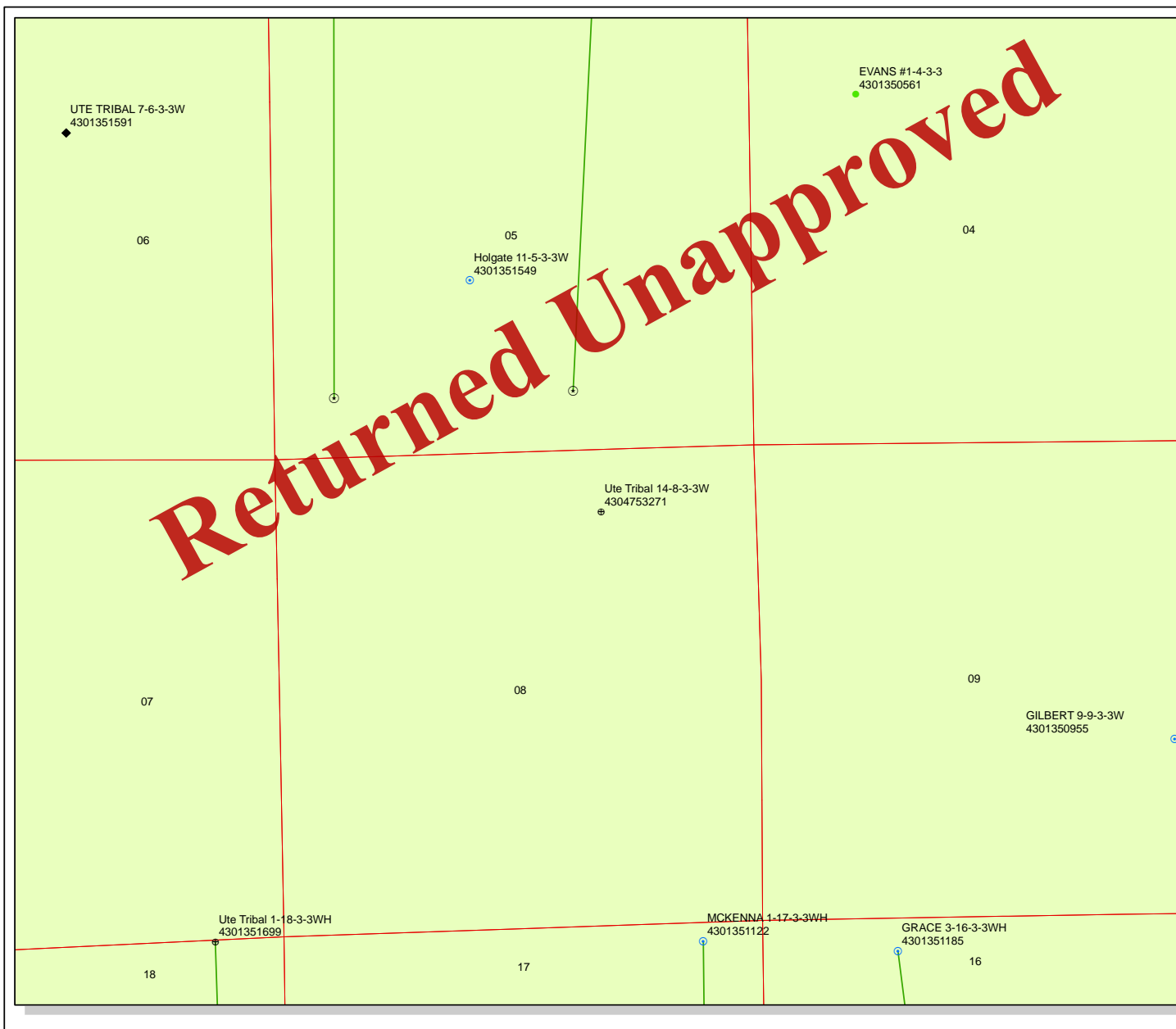


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DRAWN BY: R.B.T.	DATE DRAWN: 06-21-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

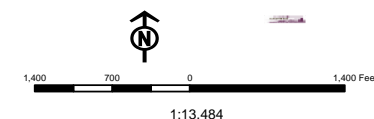
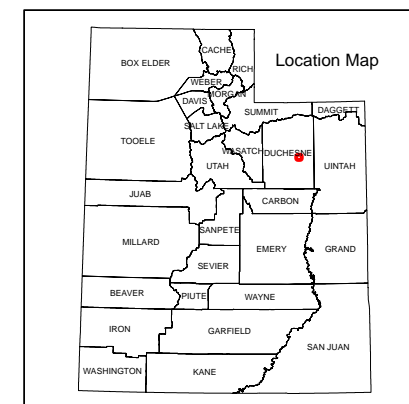
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**API Number: 4304753271**  
**Well Name: Ute Tribal 14-8-3-3W**  
**Township T03.0S Range R03.0W Section 08**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**  
 Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
<b>Fields</b>	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	Bottom Hole Location - Oil/Gas/Dib
STORAGE	
TERMINATED	





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

October 02, 2012

NEWFIELD PRODUCTION  
COMPANY  
Rt 3 Box 3630  
Myton, UT 84052

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Ute Tribal 14-8-3-3W well, API 43047532710000 that was submitted October 01, 2012 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah